BRUHAT BANGALORE MAHANAGARA PALIKE

PRE-MEASUREMENT

MEASUREMENT SHEET

Name of work: Improvements to Footpaths in Ward No. 15 (Kuvempunagara).

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 015-23-000009

Name of Agency: Sri. Venkateshappa.S No. 88, Varadarajaswamy Layout, 1st Main Road, Singapura, near Aveksha Hospital, Vidyaranyapura, Bangalore - 560097.

Work order No: BBMP/EE/BTP/WO/185/2022-23 D: 20-03-2023.

	Measurements Recarded on :	06-07-2023					
Sl No	**Description of work**	**Mesurement**				**Qty.**	**Unit**
		No.	**L**	**B**	**D**		
1	Earth work Excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						Cum
	New Drain						
	Singapura near Vesper Groups W/S	1	15.00	1.40	1.20	25.20	
		1	3.00	1.40	1.20	5.04	
		1	15.00	1.40	1.20	25.20	
		1	15.00	1.40	1.20	25.20	
		1	2.20	1.40	1.20	3.70	
		1	15.00	1.40	1.20	25.20	
		1	15.00	1.40	1.20	25.20	
		1	15.00	1.40	1.20	25.20	
		1	7.50	1.40	1.20	12.60	
	Balaji Layout						
		1	15.00	1.40	1.20	25.20	
		1	15.00	1.40	1.20	25.20	
		1	15.00	1.40	1.20	25.20	
		1	15.20	1.40	1.20	25.54	
	Desilting of Drain						
	E/S	1	15.00	0.90	0.60	8.10	

Contractor

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		1	15.00	0.90	0.60	8.10	
		1	9.40	0.90	0.60	5.08	
	Culvert						
	Abbigere Main Road near Madakarinayaka Statue	1	10.00	1.80	1.20	21.60	
	Muniswamappa Layout	1	15.00	0.80	0.85	10.20	
		1	15.00	0.80	0.85	10.20	
		1	15.00	0.80	0.85	10.20	
		1	5.30	0.80	0.85	3.60	
	Total Qty =					**350.75**	
	Qty Limited to Tender Qty =					**350.64**	

Assistant Engineer
Ward No. 15, Kuvempunagara

Assistant Executive Engineer
Vidyaranyapura Sub-Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Contractor

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	13-07-2023					
2	Providing and laying in position Plain Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications.						Cum
	New Drain						
	Singapura near Vesper Groups W/S	1	15.00	1.30	0.15	2.93	
		1	3.00	1.30	0.15	0.59	
		1	15.00	1.30	0.15	2.93	
		1	15.00	1.30	0.15	2.93	
		1	2.20	1.30	0.15	0.43	
		1	15.00	1.30	0.15	2.93	
		1	15.00	1.30	0.15	2.93	
		1	15.00	1.30	0.15	2.93	
		1	7.50	1.30	0.15	1.46	
	Balaji Layout						
		1	15.00	1.30	0.15	2.93	
		1	15.00	1.30	0.15	2.93	
		1	15.00	1.30	0.15	2.93	
		1	15.20	1.30	0.15	2.96	
	Desilting of Drain						
	E/S	1	15.00	0.90	0.10	1.35	
		1	15.00	0.90	0.10	1.35	
		1	9.40	0.90	0.15	1.27	
	Culvert						
	Abbigere Main Road near Madakarinayaka Statue	1	10.20	1.80	0.15	2.75	
	Muniswamappa Layout	1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	5.30	0.80	0.15	0.64	
	Total Qty =					**44.52**	
	Qty Limited to Tender Qty =					**44.10**	

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Contractor

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Measurements Recarded on :	24-08-2023					
3	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately).						Cum
	New Drain						
	Raft						
	Singapura near Vesper Groups W/S	1	15.00	1.25	0.15	2.81	
		1	3.00	1.25	0.15	0.56	
		1	15.00	1.25	0.15	2.81	
		1	15.00	1.25	0.15	2.81	
		1	2.20	1.25	0.15	0.41	
		1	15.00	1.25	0.15	2.81	
		1	15.00	1.25	0.15	2.81	
		1	15.00	1.25	0.15	2.81	
		1	7.50	1.25	0.15	1.41	
	Balaji Layout						
		1	15.00	1.25	0.15	2.81	
		1	15.00	1.25	0.15	2.81	
		1	15.00	1.25	0.15	2.81	
		1	15.20	1.25	0.15	2.85	
	Muniswamappa Layout						
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	15.00	0.80	0.15	1.80	
		1	5.30	0.80	0.15	0.64	
	Side Wall						
	Singapura near Vesper Groups W/S	2	15.00	0.15	0.91	4.10	
		2	3.00	0.15	0.91	0.82	
		2	15.00	0.15	0.82	3.69	
		2	15.00	0.15	0.82	3.69	
		2	2.20	0.15	0.81	0.53	
		2	15.00	0.15	0.72	3.24	
		2	15.00	0.15	0.71	3.20	
		2	15.00	0.15	0.62	2.79	
		2	7.50	0.15	0.61	1.37	
	Balaji Layout						
		2	15.00	0.15	0.90	4.05	
		2	15.00	0.15	0.89	4.01	
		2	15.00	0.15	0.89	4.01	

Contractor

Assistant Engineer

Assistant Executive Engineer

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Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
		2	15.20	0.15	0.88	4.01	
	Muniswamappa Layout						
		2	15.00	0.15	0.60	2.70	
		2	15.00	0.15	0.59	2.66	
		2	15.00	0.15	0.58	2.61	
		2	5.30	0.15	0.59	0.94	
	Drain Raising						
	E/S	2	15.00	0.30	0.35	3.15	
		2	15.00	0.30	0.30	2.70	
		2	9.40	0.30	0.30	1.69	
	Culvert						
	Raft						
	Abbigere Main Road near Madakarinayaka Statue	1	10.00	1.60	0.20	3.20	
	Side Wall						
	Abbigere Main Road near Madakarinayaka Statue	2	10.00	0.30	0.65	3.90	
	Total Qty =					**99.62**	
	Qty Limited to Tender Qty =					**99.51**	

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Contractor

Sl No	Description of work	Mesurement				Qty.	Unit
		No.	L	B	D		
	Measurements Recarded on :	24.08.2023					
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.						Tonne
	U Shape Drains	**No**	**L**	**Mtrs**	**Kg/m**	**Kgs**	
	Singapura near Vesper Groups W/S						
	10 mm dia	1029	2.90	2984.10	0.62	1850.14	
	8 mm dia	21	102.70	2156.70	0.39	841.11	
	Total					**2691.26**	
	Balaji Layout						
	10 mm dia	608	2.90	1763.20	0.62	1093.18	
	8 mm dia	21	60.20	1264.20	0.39	493.04	
	Total					**1586.22**	
	Muniswamappa Layout						
	10 mm dia	512	2.00	1024.00	0.62	634.88	
	8 mm dia	16	50.30	804.80	0.39	313.87	
	Total					**948.75**	
	RCC Drains Grant Total					**5226.23**	
	Culverts						
	Abbigere Main Road near Madakarinayaka Statue						
	16 mm	101	3.60	363.60	1.58	574.49	
	12 mm	36	10.00	360.00	0.89	320.40	
	Total					**894.89**	
	Grand Total					**6121.12**	Kgs
	Total Qty =					**6.12**	
	Qty Limited to Tender Qty =					**6.12**	

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Contractor

Sl No	Description of work	Mesurement No.	L	B	D	Qty.	Unit
	Measurements Recarded on :	06-09-2023					
5	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate**						Cum
	Culvert Ramp						
		2	10.00	1.20	0.15	3.60	
	Kerb Stone Bottom Concrete						
	Singapura near Vesper Groups W/S	1	15.00	0.15	0.10	0.23	
		1	3.00	0.15	0.10	0.05	
		1	15.00	0.15	0.10	0.23	
		1	15.00	0.15	0.10	0.23	
		1	2.20	0.15	0.10	0.03	
		1	15.00	0.20	0.10	0.30	
		1	15.00	0.15	0.10	0.23	
		1	15.00	0.15	0.10	0.23	
		1	7.50	0.20	0.10	0.15	
		1	15.00	0.15	0.10	0.23	
		1	15.00	0.15	0.10	0.23	
		1	15.00	0.15	0.10	0.23	
		1	5.30	0.15	0.10	0.08	
	Drain Raising						
	E/S	1	15.00	0.15	0.10	0.23	
		1	15.00	0.15	0.10	0.23	
		1	9.40	0.15	0.10	0.14	
	Total Qty =					**6.60**	
	Qty Limited to Tender Qty =					**6.57**	

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